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KOREAN INTELLECTUAL PROPERTY OFFICE

## KOREAN PATENT ABSTRACTS

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(71)Applicant:

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(54) LCD

(57) Abstract:

PURPOSE: A liquid crystal display device is provided to form each pixel area in the symmetrical square shape for precise image display, thereby realizing the high resolution in the display of characters or figures.

CONSTITUTION: A liquid crystal display device includes pixels arranged in the PenTile matrix structure. In the line direction, red, blue and green pixels(R,B,G) are arranged in sequence. In the column direction, the red and green pixels are arranged alternately and the blue pixels are arranged in the same column. In neighboring two lines, the red and green pixels respectively face each other via the blue pixels in the diagonal direction. The rate of traverse and longitudinal pixels is 1:1 in a symmetric square shape.

